HYUNDAI

HYUNDAI IT CORP.

User's Guide

MULTI FUNCTION MONITOR

MODELS : M220W I W220T I W240T

HYUNDAI IT CORP.
www.hyundaiIT.com

DECLARATION OF CONFORMITY

WE Hyundai IT CORP.
Ami-ri Bubal-Eub Ichon-Si Gyeonggi-Do
467-860 KOREA

declare under our sole responsibility that the product:

Kind of equipment : Multi Function Monitor

Type-Designation : L22MDE081 / L24MDF080

to which this declaration relates is in conformity with the
following standard(s) or other normative document(s)

Safety : EN60065:2001 / IEC60065 : 2001
EMC : EN 55013 : 2001 + A1: 2003
EN 55022 : 1998 + A1:2000 + A2:2003
EN 55024 : 1998 + A1:2001 + A2:2003
EN 55020 : 2002 + A1:2003
EN 61000-3-2:2000 , EN 61000-3-3:1995+A1:2001

following the provisions of the Low Voltage Directive 73/23/EEC,
93/68/EEC and the EMC Directive 89/336/EEC.

TUV SUD Product Service GmbH
Ridlerstrasse 65 - 80339 Munchen - Germany

KOREA /July 7, 2008
(Place and date of issue)

Jong Won, Choi Ho Suk, Chon
(Name and signature of authorized person)

Table of Contents

General Information

Image Sticking Precaution 1
Safety Precaution 2
Contents of the Package 6
Products Sold Separately 6
Parts Names and Functions 7

Connections

Connecting Indoor/Outdoor TV Antenna(UHF/VHF) 11
Connecting Antenna input Connection to External Equipments 11
How to Connect to a PC 12
Resolutions Supported in PC and HDMI 12
HDMI Connection 13
Remote Control 14
How to Set the OSD Screen 16

Picture Setup

How to Select the Picture Mode 17
How to Set the Desired Picture 17
How to Set the Desired Picture in PC, HDMI Input Modes 18
How to Set Image Adjust in PC Mode 18
How to Select a Color Tone 19
How to Set the Display Size 19
How to Set Noise Reduction(NR) 20

Sound Setup

How to Select the Audio Mode 20
How to Adjust the Desired Audio Mode 21
How to Select Auto Volume 21
How to Select Sound Mode 22

Channel Setup

How to Select Auto Store 22
How to Select Manual Store 23
How to Set the Program Edit(Add/Delete,Sort,Name) 24
How to Fine Tune 25

Function Setup

How to Reset 25
How to Set Clock, Sleep Time, ON/OFF Time 26
Choosing the your Language 27
How to Set OSD Tone 27
How to Set Teletext in ATV 28
Selecting Teletext Display Options in ATV Mode 28
How to Set Key-Lock 29

DTV Setup

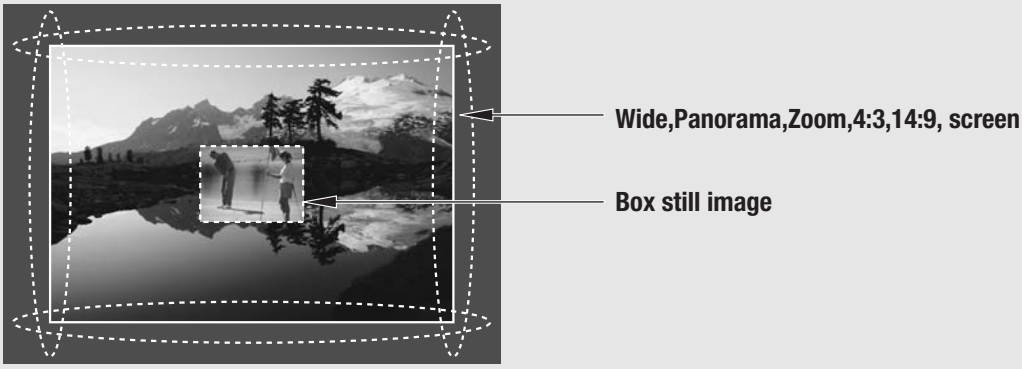
How to Search Automatically 29
How to Search Manually 30
How to Check Channel State 30
How to Use the Guide (EPG : Electronic Program Guide) 31
How to Select Channel List 32
How to Factory Set 34
Setting TV System 34
SettingRegion and Time 35
OSD Setting 35
Setting Parental Lock 36
Setting Load Factory Default 36
How to Set Teletext in DTV 37
How to Set Subtitle 37

Appendix

Troubleshooting 38
Product Specifications 40

Image Sticking Precaution

When watching a still Image within motion pictures and Wide/Panorama/Zoom/ /4:3 screen/14:9



1. Note :

- When the central area of the screen and the screen edges are fixed, the different brightness level of the edges may cause image retentions on the edges when watching for a long time
- This phenomenon happens also to products from other manufacturers. Please avoid watching a still image for a long time.
- If you watch a still image for a long time, this may damage your TV.

* This matter does not come under the warranty.

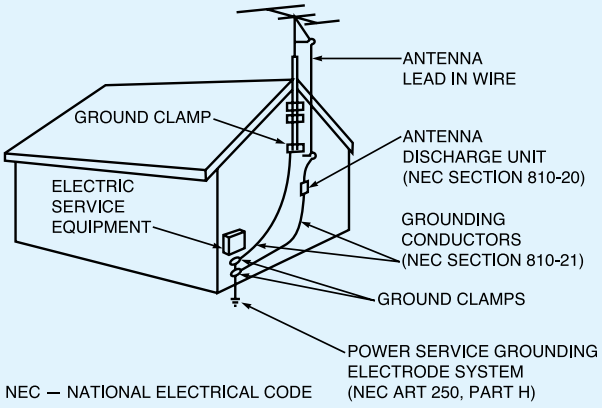
Safety Precaution

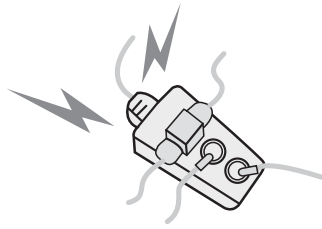
The contents of this section are provided for the safety of users and their property.
Please read the instructions carefully before using.

Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instruction

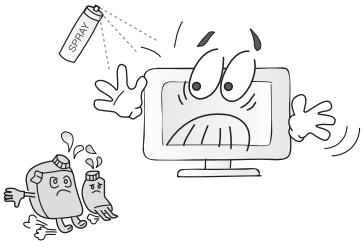


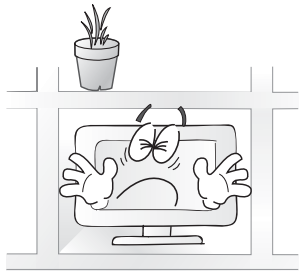


Do not connect multiple electrical appliances to a single outlet.
- It may cause a fire due to overheating from the outlet.

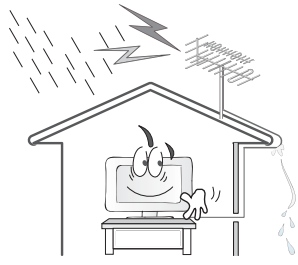
Make sure to remove the speakers before moving the TV with speakers mounted on it.
- When the speakers are detached from the unit while carrying it, this may cause damage to the unit or personal injury.

Do not use or store a flammable spray or inflammable things near the TV.
- They may cause explosion or fire.



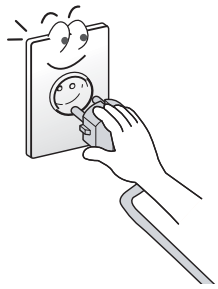


Do not install the TV in a bookshelf, closet, or a place with poor air circulation.
- Fire may be caused due to the rise of internal temperature.



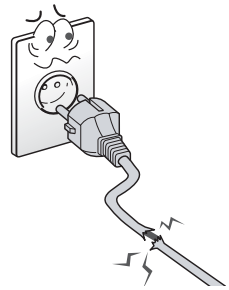
Any necessary action such as making the antenna cable loop at the entrance of the building should be taken to prevent rainwater on the outdoor antenna cable from possibly running indoor.
- If raindrop gets into the TV, it may cause a fire or an electric shock.

If there is a persistent accumulation of dusts or water on the plug, please make sure to wipe it off using a dry cloth.
- It may cause a fire or an electric shock.



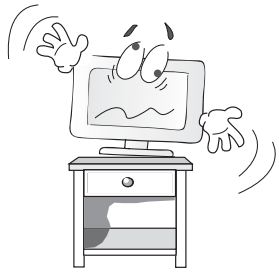
Firmly plug in the power cord so that it does not pull out.
- An unstable connection may cause fire.

Do not use a damaged power cord or plug, or loose outlet.
- It may cause electric shock or fire.



Do not put a water bowl, vase, candle, bug repellant smoke, cigarette, plants, or heavy thing on the TV.
- It may cause electric shock or fire and also heavy things may cause injury when they fall.

Do not install in a place where there is oil, smoke, excessive humidity, or where water may be sprinkled on it.
- This may cause electric shock or fire.

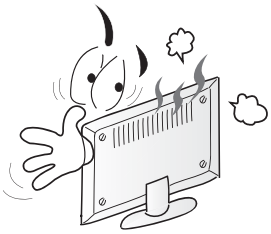


Do not install on an unstable place or small support.
- This may cause the TV to fall, resulting in serious injury especially to children.

Never attempt to open, fix, or modify your TV.
- When there is a need for fixing, call a service center. Fire or electric shock may be caused.

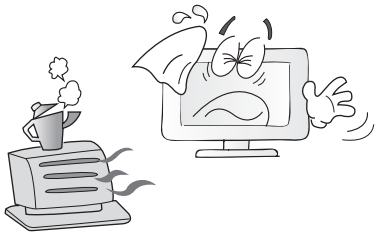
Do not put a metallic object like chopstick, wire, or puncher or inflammables like paper or a match in a vent, headphone jack, or AV jacks of the TV.
- Electric shock or fire may be caused.

When the TV produces abnormal noise, burning smell, or smoke, unplug the TV immediately and call a service center.
- Electric shock or fire may be caused.

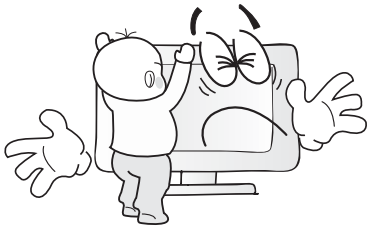


Please avoid touching the panel at the rear of TV as it is producing high temperature.
- Direct contact with the hot surface may cause physical burns.

Do not place any heat sources such as radiators and heat registers, etc. near the TV.
- It may cause a fire.

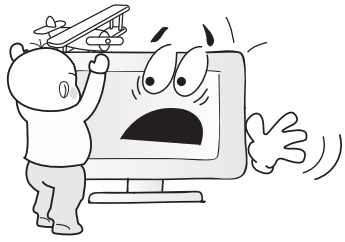


Do not block ventilating slits with a table cloth.
- Blocking the ventilation slits may produce internal heat increase, resulting in a fire.



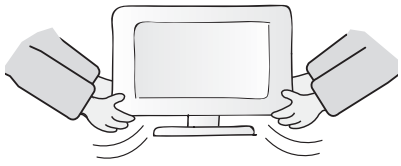
Do not allow children to climb or play on the TV.
- This may cause the TV to fall resulting in serious injury.

Do not place toys and cookies, etc. on the TV, which may attract children's attention.
- This may cause the TV to fall, resulting in serious injury.



When cleaning the TV, make sure to disconnect the power plug and use a dry, soft cloth for a cleanup.
- Please avoid using chemicals such as wax, benzene, alcohol, thinner, mosquito spray, air freshener, lubricant or synthetic detergent.

Unplug when you do not use your TV for a long time.
- If dust is stacked on the TV, electric shock or fire may be caused from heat, fire, or deterioration of insulation.

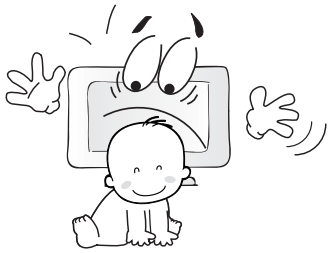


When moving the TV, two or more people are advised to carry it.
- This may cause damage to the unit or personal injury.

Never touch the power plug or outlet with wet hands.
- This may cause electric shock.

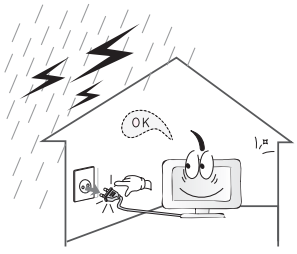
Safety Precaution

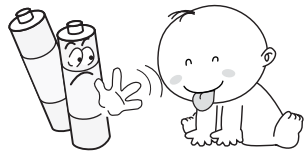
The contents of this section are provided for the safety of users and their property.
Please read the instructions carefully before using.



Do not install the product on the floor.
- This may cause the TV to fall resulting in serious injury.

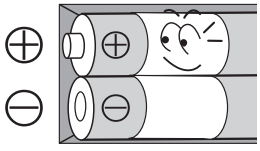
Unplug the product during lightning or thunderstorms and never touch the antenna cable.
- It may cause a fire or an electric shock.

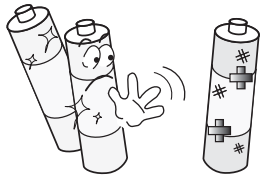




Keep the remote control batteries out of sight and out reach of children.
- If your child swallows a battery, see your doctor immediately.

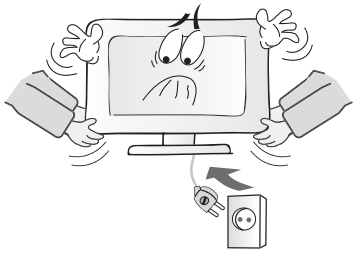
When replacing batteries, make sure to match the batteries to the (+) and (-) marks in the battery compartment.
- Mismatching of polarities may result in internal damage to batteries, fire due to leakage or contamination.



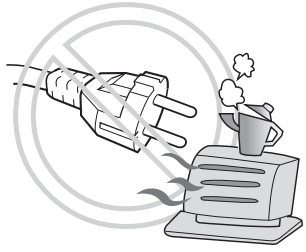


Always use the standard batteries and avoid using old batteries together with new ones.
- Otherwise it may result in internal damage to batteries, fire due to leakage or contamination.

In the event of damaging or dropping the product, switch off the power and remove the plug.
- Using a damaged product may cause an electric shock or a fire.
- Contact your local service center.



Before moving the product, ensure to switch off the power and unplug all the electrical cords and the external connection cords such as an antenna cable and other source connections, etc.
- Electrical cords may be damaged, resulting in a fire or an electrical shock.

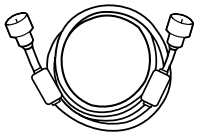


Ensure the power cord doesn't trail across any hot objects like a heater.
- This may cause a fire or an electric shock.

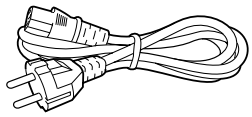
Consult a service center or customer service for inside cleaning about once a year.
- When dust is piled inside the TV for a long time, fire or malfunction may be caused.

Contents of the Package

When opening the package, please ensure to check the following accessories.

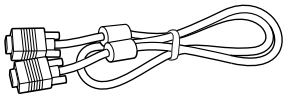


Antenna Cable
(coaxial cable)

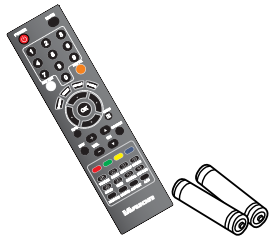


Power Cord

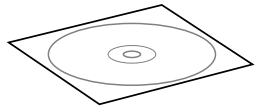
Audio Cable (PC)



PC signal cable



Remote Control &
2 batteries (1.5V AAA)

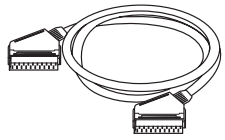


User's Guide

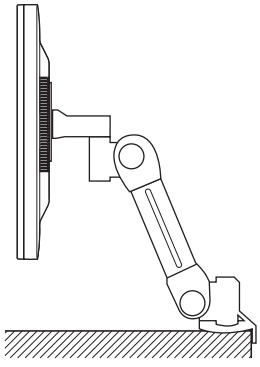
Products Sold Separately

If you want to purchase the following accessories, consult a service center, electronics shops, or parts seller.

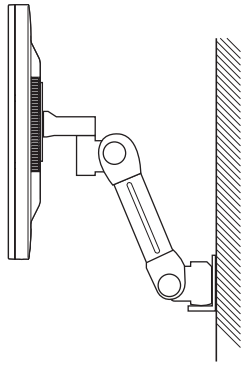
HDMI cable



Scart cable



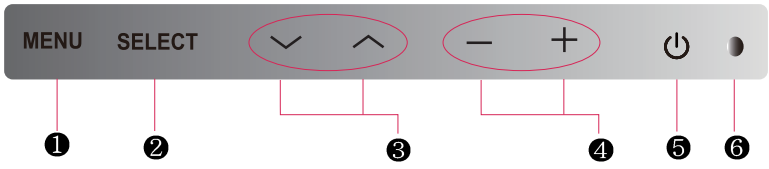
Wall mounting frame



Wall mounting frame

Parts Names and Functions

Front View -W220T/W240T



* This product image may be a bit different from the actual product.

❶ Menu button
Use this button to display or exit from the menu mode.

❷ Source button
Use this button to select each item from the menu mode.

❸ Channel buttons
Use these buttons to change channels. These buttons also serve as the cursors of Down and Up buttons in Menu mode.

❹ Volume buttons
Use these buttons to adjust sound levels. These buttons also serve as the cursors of Select/Adjust in Menu mode.

❺ Power button
Use this button to turn on or off the TV.

❻ Remote sensor and power LED.
- Point the remote control toward LED.
- It displays standby or operation status.

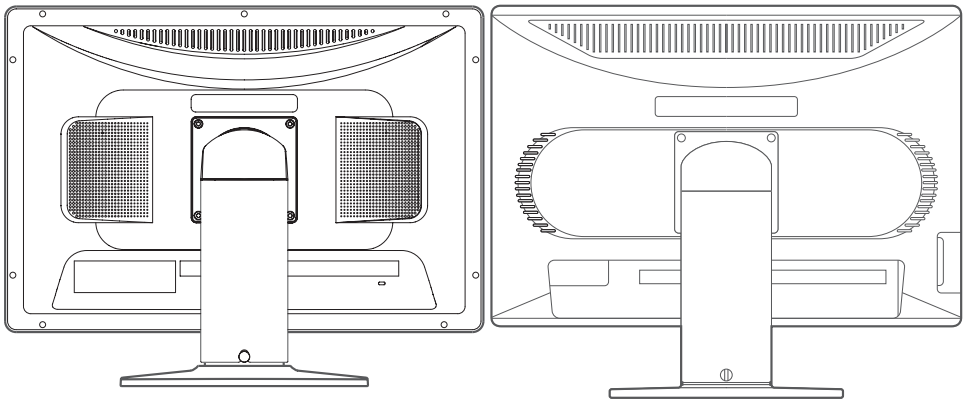
- Power Indicator Status -

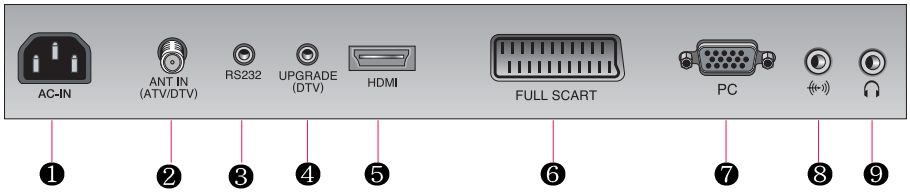
Indicator	Status
Red	Standby
Blue	Power on
Green+Biue	DPMS

Rear View -W220T/W240T

<W220T>

<W240T>





* This product image may be a bit different from the actual product.

❶ **Power input terminal**

❷ **Antenna input terminal**

❸ **RS232 input terminal**

❹ **DTV Upgrade terminal**

❺ **HDMI input terminal**

❻ **Full Scart input terminal**

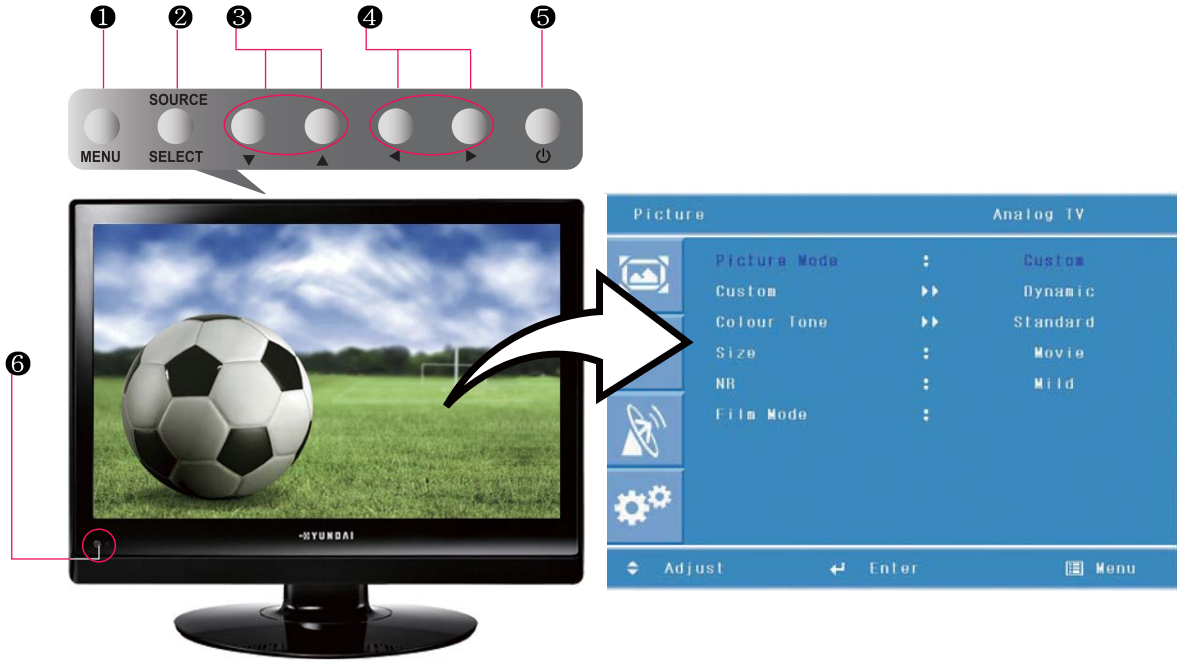
❼ **D-SUB input terminal**

❽ **Audio input terminal**

❾ **Audio Output terminal**

✓ ❹ *- it's for technical service do not use at home.*

Front View -M220W



* This product image may be a bit different from the actual product.

❶ Menu button
Use this button to display or exit from the menu mode.

❷ Source / Select button
Source : Use this button to switch among inputs connected to the TV.
Select : Use this button to switch among inputs connected to the TV.

❸ Channel buttons
Use these buttons to change channels. These buttons also serve as the cursors of Down and Up buttons in Menu mode.

❹ Volume buttons
Use these buttons to adjust sound levels. These buttons also serve as the cursors of Select/Adjust in Menu mode.

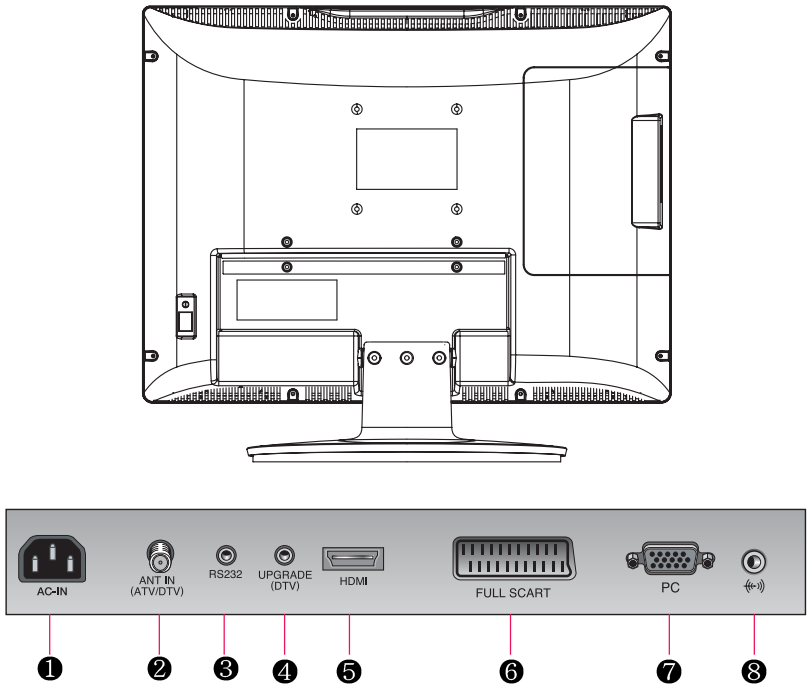
❺ Power button
Use this button to turn on or off the TV.

❻ Remote sensor and power LED.
- Point the remote control toward LED.
- It displays standby or operation status.

- Power Indicator Status -

Indicator	Status
Red	Standby
Blue	Power on
Red+Blue	DPMS(Only PC Mode)

Rear View -M220W



* This product image may be a bit different from the actual product.

❶ **Power (AC) input terminal**

❷ **Antenna input terminal**

❸ **RS232 input terminal**

❹ **DTV Upgrade terminal**

❺ **HDMI input terminal**

❻ **Full Scart input terminal**

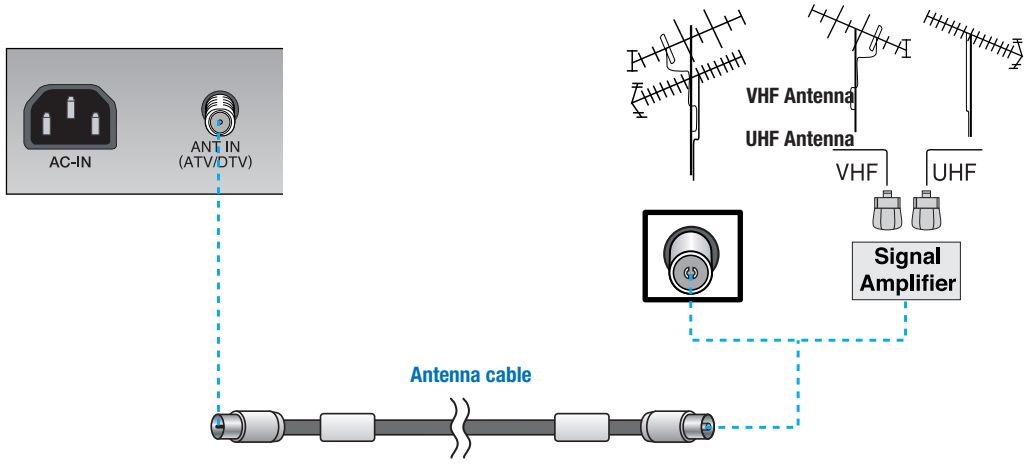
❼ **D-SUB input terminal**

❽ **Audio input terminal**

✓ ❹ *- it's for technical service do not use at home.*

Connecting Indoor/Outdoor TV Antenna(UHF/VHF)

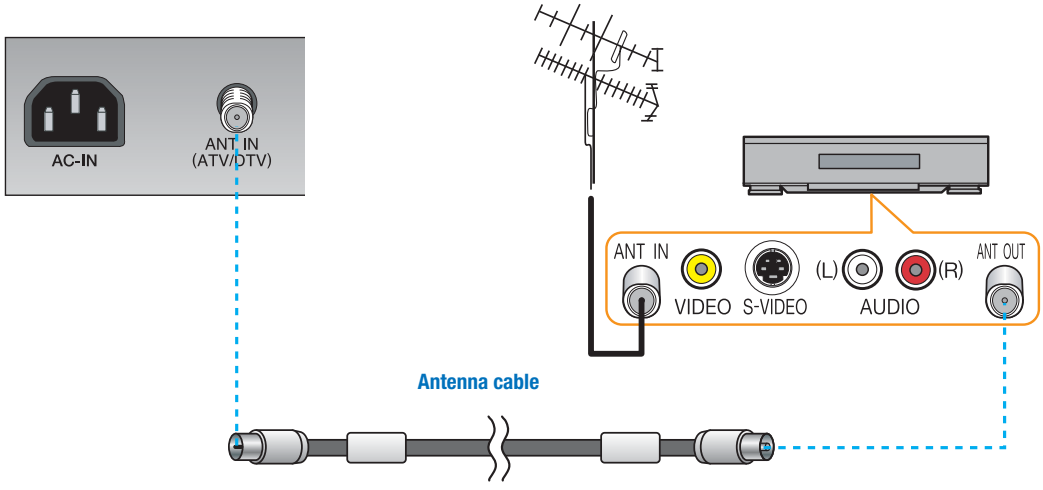
- Antenna or Cable service without cable box connections
- For on optimum picture quality, adjust the direction of antenna if needed.



✓ When inserting a 75 Ω ohm coaxial cable into the input connection, ensure the wire tip not to bend.
✓ If you experience poor signal reception, we recommend you purchase a signal amplifier for better picture quality.

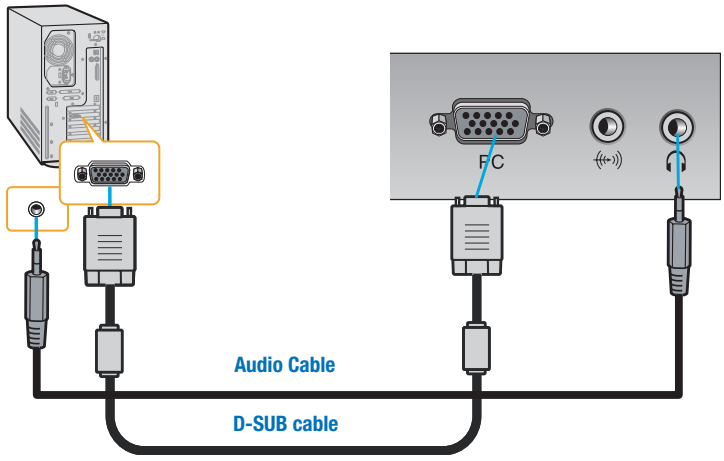
Connecting Antenna Input Connection to External Equipments

1. Connect an antenna cable to VCR/Cable/Satellite Receiver with the antenna input.
2. Use a coaxial cable to connect VCR/Cable/Satellite Receiver's antenna output to the antenna input on your TV.



How to Connect the PC

1. Connect the PC signal cable (15-pin D-sub) between the output terminal of PC and the D-sub input terminal of TV.
2. Connect the Audio cable between Audio output terminal of PC and Audio input terminal for PC on the rear of TV. (Connect the jacks to terminals in the same color.)



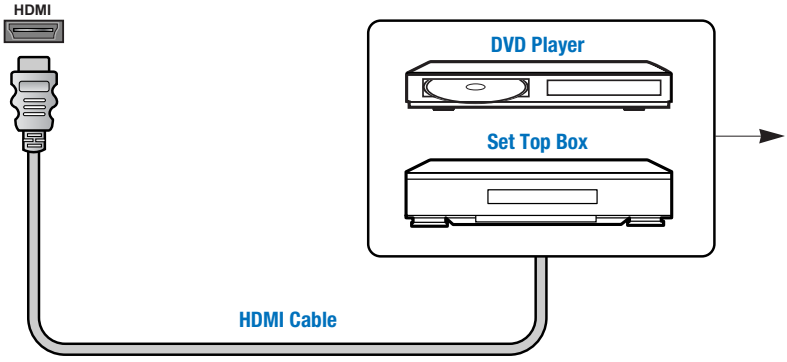
✓ If you use HDMI connection, you can enjoy better picture quality.
✓ This product supports Plug-and-Play function.
✓ We recommend the above method if the DVD player or set top box supports DTV signal with HDMI cable for better picture quality.
✓ If you input an unsupported resolution in PC or HDMI mode, the screen won't be displayed properly.
✓ DTV Timing is not guaranteed on the PC D-Sub mode

Resolutions Supported in PC and HDMI

Mdoel	M220W/W220T PC Analog	M220W/W220T HDMI	W240T PC Analog	W240T HDMI
Resolution	640 x 480 @ 60/75	640 x 480 @ 60	640 x 480 @ 60	640 x 480 @ 60
	800 x 600 @ 56/60	800 x 600 @ 60	800 x 600 @ 60	800 x 600 @ 60
	800 x 600 @ 75	1024 x 768 @ 60	1024 x 768 @ 60	1024 x 768 @ 60
	1024 x 768 @ 60	1280 x 1024 @ 60	1152 x 864 @ 65	1280 x 1024 @ 60
	1024 x 768 @ 70	1680 x 1050 @ 60	1152 x 870 @ 60	1680 x 1080 @ 60
	1024 x 768 @ 75	480p @ 50/60	1360 x 768 @ 60	1600 x 1200 @ 50
	1152 x 864 @ 75	576p @ 50/60	1280 x 1024 @ 60	1920 x 1200 @ 60
	1152 x 870 @ 75	720p @ 50/60	1680 x 1080 @ 60	480p @ 50/60
	1280 x 1024 @ 60	1080i @ 50/60	1600 x 1200 @ 60	576p @ 50/60
	1280 x 1024 @ 75	1080p @ 50/60	1920 x 1200 @ 60	720p @ 50/60
	1360 x 768 @ 60			1080i @ 50/60
	1680 x 1050 @ 60			1080p @ 50/60

HDMI Connection

HDMI*1 (High Definition Multi media Interface) is the first all digital consumer electronics A/V interface that supports uncompressed standard. The HDMI terminal supports both video and audio information.
To the HDMI™ input terminal, you can connect an EIA/CEA-861/861*2 compliant consumer electronic device, such as a Set Top Box or DVD player with HDMI or DVI output terminal.



If the external device has DVI output only, use a DVI to HDMI adapter cable to connect to the HDMI terminal.

▶ Compatible VIDEO Signal

Model	Resolution	Vertical frequency
1080 i	1,920 x 1,080 i	50
576 p	720 x 576 p	50
720 p	1280 x 720 p	50

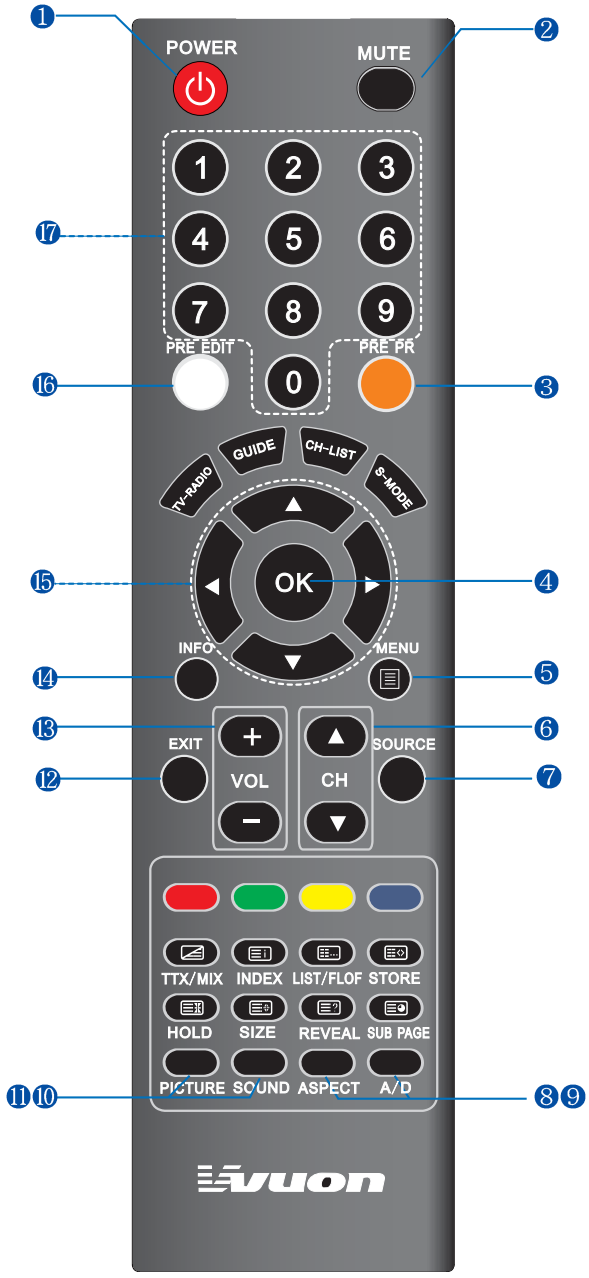
- This input terminal is not intended for use with computers.

▶ Compatible sampling freguency of AUDIO signal through HDMI (L.PCM) : 48kHz / 44.1kHz / 32 kHz

➥ Notes :
- This HDMI connector is Type A.
- If you connect an equipment without a digital output terminal, connect to the S VIDEO or VIDEO input terminal on the TV so you can enjoy an analog signal.
- The DIGITAL IN terminal can only be used with 1080i, 720p or 576p picture signals. Set the Digital Set -Top -Box DIGITAL OUT terminal Output setting to 1080i, 720p or 576p. For detailed information, refer to the Digital Set -Top - Box instruction manual. If you cannot display the picture because your Digital Set -Top -Box does not have a DIGITAL OUT terminal Output setting, use the component Video Input (or the S Video Input or Video Input). In this case the picture will be displayed as an analog signal.

*1. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
*2. EIA/CEA-861/861B profiles compliance covers profiles for transmission of uncompressed digital video including high bandwidth digital content protection.
*3. In HDMI Mode it is not supported 5.1 Channel Audio Sound.
When the 5.1 Channel, it will be changed to the 2 channel and outputed.

Remote Control



1. POWER/STANDBY

2. MUTE

3. PREVIOUS PROGRAM

4. MENU SELECTION

Use this button to select menu items.

5. MENU

Use this button to call the OSD on the screen.

6. PROGRAM SELECTION

7. SOURCE

8. A/D TV

Use this button to switch the input source from analog to digital.

9. ASPECT RATIO

Use this button to change the picture size.

10. SOUND MODE

Use this button to call the OSD on the screen.

11. PICTURE MODE

12. EXIT

13. VOLUME

14. INFOMATION

Use this button to display resolution or various programs.

15. LEFT/RIGHT MOVE/ADJUST

- Use these buttons to move between menu items or adjust each item.
- Use UP/DOWN buttons to select Analog TV channels.

16. PROGRAM EDIT

17. NUMERIC KEYS

Teletext & Fastext Function

1. CH. LIST

To watch the channel list for Digital TV. Press ↵ key to confirm or press EXIT to return to previous channels.

2. GUIDE (EPG-Electronic Program Guide)

To watch the program information. Press once more to return to normal mode.

3. TV-RADIO

To switch between the TV channel and radio channel for Digital TV.

4. S.MODE

To adjust the subtitle and audio condition/status of the current channel for Digital TV

5. WHITE rubber

DTV : To add a new channel to the Channel List menu.

6. ORANGE rubber

DTV : To see variant channel lists for user's convenience in the Channel List menu.

7. RED rubber

- DTV : To setup favorite channel lists in the Channel List menu.
- ATV : To edit channel names in the Program Edit menu.

8. GREEN rubber

- DTV : To lock favorite channel lists in the channel list menu.
- ATV : To delete a channel in the Program Edit menu.

9. YELLOW rubber

- DTV : To move favorite channel lists in the channel list menu.
- ATV : To sort channels in the Program Edit menu.

10. BLUE rubber

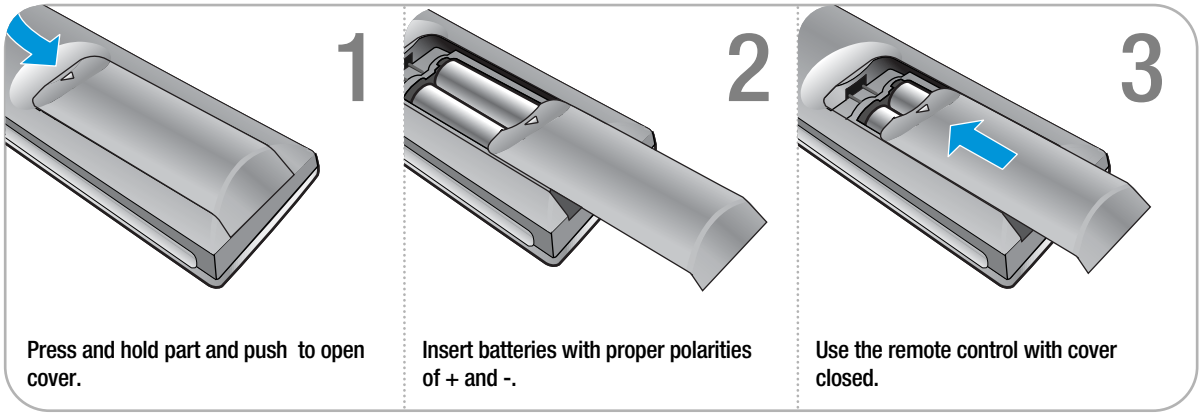
DTV : To delete a channel from the channel List menu. To show extended program information in the EPG menu.

11. TTX/MIX

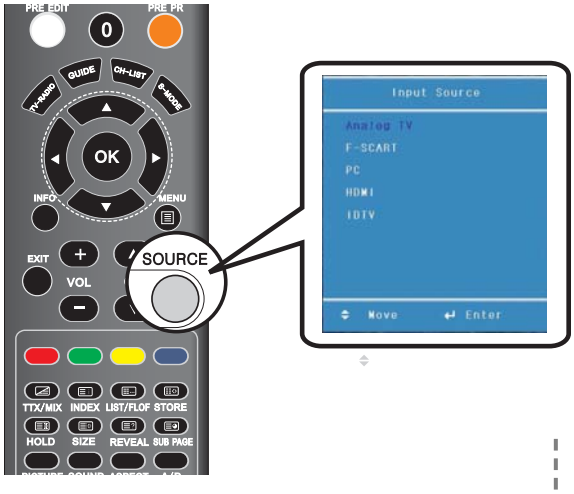
To see Teletext Service Data for Analog TV and Digital TV.

How to Insert Batteries in the Remote Controller

* Battery type :1.5V/AAA


1
2
3
Press and hold part and push to open cover.
Insert batteries with proper polarities of + and -.
Use the remote control with cover closed.

How to Set the OSD Screen



ANALOG TV - Terrestrial broadcasting for supporting analog PAL/SECAM system.

H-SCART - Basically the same as Full SCART in function but not supporting RGB Video signals.

F-SCART - For supporting composite video and RGB video signals. SCART connectors is used with many European video equipments.

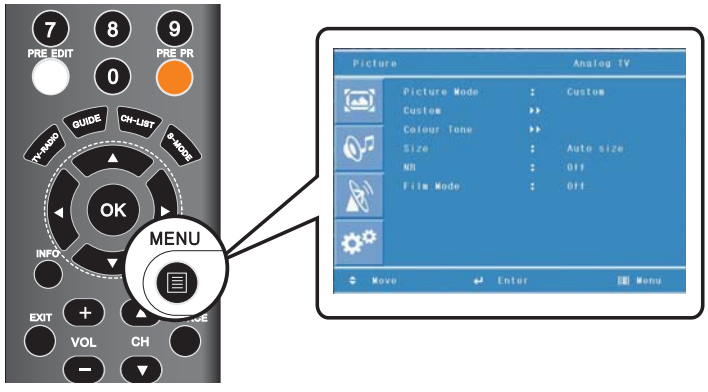
HDMI : High Definition Multi media Interface that supports both video and audio information.

PC : For supporting Personal Computer connection.

iDTV : Digital Terrestrial broadcasting for supporting DVB-T System.

Different OSD Menu

You can confirm OSD menu of three different types.

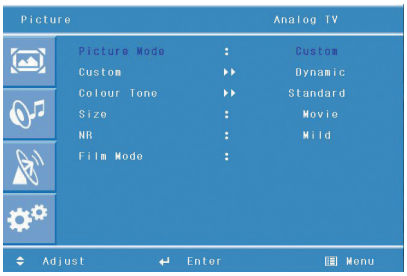


✓ *In case of the source in ATV*

✓ *In case of the source in iDTV*

How to Select the Picture Mode

Users can automatically adjust the picture mode according to the input mode.



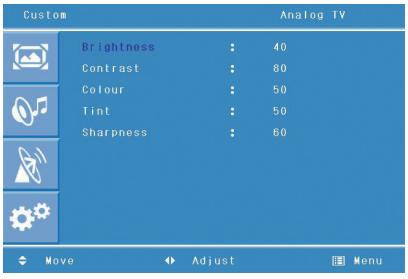
1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ◀ / ▶ or [OK] buttons to select “Picture mode”.
4. The menu changes in the following order.
   CUSTOM ➛ DYNAMIC ➛ STANDARD ➛ MOVIE ➛ MILD
5. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

- ♦ CUSTOM : When the user wants to set the values directly.
- ♦ DYNAMIC : Clear display
- ♦ STANDARD : Most video contents are appropriate to this mode.
- ♦ MOVIE : When watching a movie
- ♦ MILD : Soft display.

✓ *In the custom’s mode, the users can adjust their desired brightness, contrast, colour, Tint, sharpness and backlight.*

How to Set the Desired Picture

Users can manually adjust their desired picture



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ▲ / ▼ buttons to move to “Custom” and press ◀ / ▶ or [OK] buttons to select “CUSTOM”.
4. Select required option by pressing the ▲ / ▼ or button, then Press ◀ / ▶ button to adjust.
5. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

- ♦ BRIGHTNESS : Adjust the brightness of the entire picture.
- ♦ CONTRAST : Adjust the brightness and darkness of the object and backgrounds.
- ♦ COLOUR : Adjust colors into deeper or lighter colors.(not operational in pc mode)
- ♦ TINT : Adjust colors naturally.(not operational in pc iDTV and component mode)
- ♦ SHARPNESS : Adjust the clarity of object outlines.(not operational in pc iDTV and component mode)

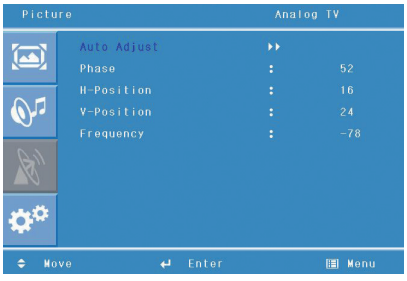
How to Set the Desired Picture in PC, HDMI Input Modes

Users can adjust Color as users want.

1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   picture mode is highlighted.
3. Press ◀ / ▶ or [OK] buttons to select to ”picture mode”.
4. The menu changes in the following order.
   ➛ CUSTOM ➛ HIGH ➛ MIDDLE ➛ LOW
5. After selecting Color Tone, then the menu changes in the following order.
   ➛ CUSTOM ➛ COOL2 ➛ COOL1 ➛ NORMAL ➛ WARM1 ➛ WARM2
6. If you choose “ CUSTOM” in “COLOR TONE” you can adjust R.G.B.
7. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

♦ CUSTOM : When the user wants to set the degree of RGB directly.
♦ COOL : For cool colors with bluish tone.
♦ NORMAL : For a general Color Tone.
♦ WARM : For warm colors with reddish tone.

How to Set Image Adjust in PC Mode



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK]button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ▲ / ▼ buttons to move to “PC” and Press ◀ / ▶ or [OK] button to select to “pc”
4. “AUTO ADJUST” is high lighted.
5. Press [OK] button to execute the “AUTO ADJUST”
6. Select required option by pressing the ◀ / ▶ or [OK] buttons, then press ◀ / ▶ button to adjust
7. Press EXIT button to TV viewing or press NEW button to return to the previous menu

♦ Auto ADJUST : Horizontal/vertical positions are automatically adjusted.
♦ PHASE : To eliminate the shake of the picture.
♦ H-POSITION : To adjust the horizontal position of the picture.
♦ V-POSITION : To adjust the vertical position of the picture.
♦ FREQUENCY : To eliminate the shake of picture.

How to Select a Color Tone

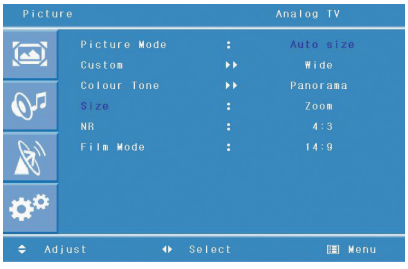
Users can adjust Color as users want.

1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ▲ / ▼ buttons to move to “COLOR TONE”.
4. Press ◀ / ▶ or [OK] buttons to select “COLOR TONE”.
5. Press ▲ / ▼ buttons, then the menu changes in the following order.
   ➛ COOL2 ➛ COOL1 ➛NORMAL ➛ WARM1 ➛ WARM2
6. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

♦ COOL : For cool colors with bluish tone.
♦ NORMAL : For a general Color Tone.
♦ WARM : For warm colors with reddish tone.

How to Set the Display Size

Users can adjust the display scale as they want

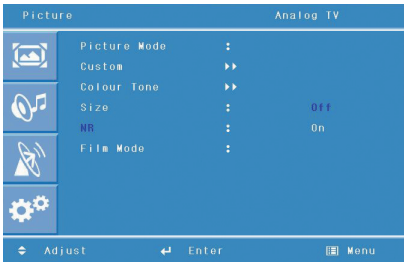


1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ▲ / ▼ buttons to move to “SIZE”.
4. Press ◀ / ▶ or [OK] buttons and press ▲ / ▼ then the mode change in the following order.
   COMPONENT Input : ➛ WIDE ➛ PANORAMA ➛ ZOOM ➛ 4:3 ➛ 14:9
   PC/HDMI inputs : ➛ WIDE ➛ 4:3 ➛
   Under other inputs : ➛ AUTOSIZE ➛ WIDE ➛ PANORAMA ➛ ZOOM ➛ 4:3 ➛ 14:9 ➛
5. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

♦ AUTO SIZE - Screen size adjust automatically by screen signal.
♦ WIDE - General broadcast picture is adjusted to 16:9.
♦ PANORAMA - Picture enlarged to 16:9 format, letter box format.
♦ ZOOM - Zoom in 16:9 in vertical direction
♦ 4:3 - 4:3 general picture size
♦ 14:9 - 14:9 picture size

How to Set Noise Reduction(NR)

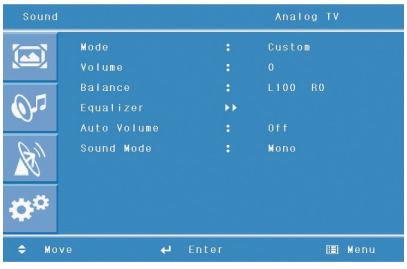
User can eliminate noises on the screen in Video mode



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “Picture” Icon.
   “PICTURE MODE” is highlighted.
3. Press ▲/ ▼ buttons to move to “NR”.
4. Press ◀/ ▶ buttons to select to “NR”.
5. **Press ▲/ ▼ or [OK] buttons to set 「ON/OFF」.**
6. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

How to Select the Audio Mode

Users can adjust sound mode automatically as they want.

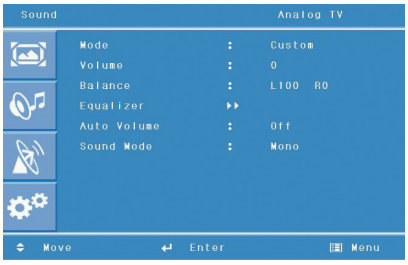


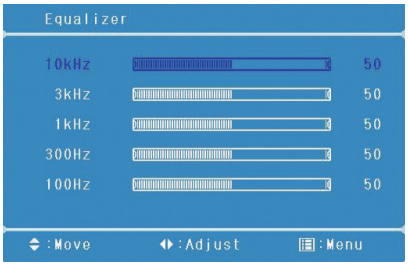
1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ buttons to move to “SOUND” icon.
3. Press [OK] button to select “SOUND” Icon.
   “MODE” is highlighted.
4. Press ◀/ ▶ or [OK] buttons, to select to “SOUND MODE” then the menu changes in the following order.
   CUSTOM ➛ STANDARD ➛ MUSIC ➛ MOVIE ➛ SPEECH ➛
5. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

- ♦ CUSTOM : When the user wants to set the values directly.
- ♦ STANDARD : For the general sound. Most audio contents are appropriate to this mode.
- ♦ MUSIC : For enjoying original sound.
- ♦ MOVIE : Grandiose sound.
- ♦ SPEECH : Clear sound.

How to Adjust the Desired Audio Mode

Users can adjust sound mode automatically as they want.





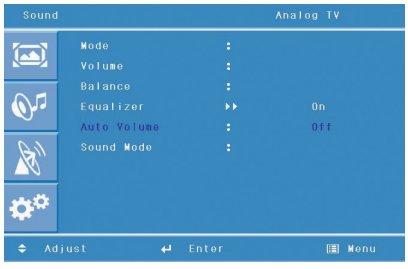
1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲ / ▼ buttons to move to “SOUND” icon.
3. Press [OK] button to select “SOUND” icon.
   “MODE” is highlighted.
4. Press ▲ / ▼ buttons to move to “Balance or Equalizer”.
5. Press [OK] buttons to select “Balance or Equalizer”.
   Balance or Equalizer menu appears.
6. Select required option by pressing the ▲ / ▼ buttons, then Press ◀ / ▶ buttons to adjust.
7. Press EXIT button to TV viewing or press MENU button to return to the previous menu

♦ BALANCE : Adjusts the balance of left and right speakers.

♦ EQUALIZER : Adjusts the audio output signal in the desired band.

How to Select Auto Volume

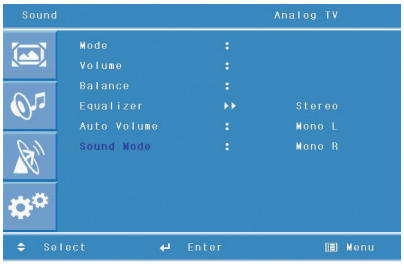
This function will automatically give a similar volume size to each channel.



1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲ / ▼ buttons to move to “SOUND” icon.
3. Press [OK] button to select “SOUND” icon.
   “MODE” is highlighted.
4. Press ▲ / ▼ buttons to move to “AUTO VOLUME ” .
5. Press ◀ / ▶ or [OK[buttons to select ⌜ON/OFF⌟.
6. Press ▲ / ▼ or [OK] buttons to set to ⌜ON/OFF⌟.
7. Press EXIT button to TV viewing or press MENU button to return to the previous menu

How to Select Sound Mode

Depending on the particular program being broadcast, you can select stereo or mono.



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “SOUND” Icon.
   “MODE” is highlighted.
3. Press ▲/ ▼ buttons to move to “SOUND MODE”.
4. **Press ◀/ ▶ or [OK] buttons to select to 「SOUND MODE」.**
5. Press ▲/ ▼ buttons to select to **「MONO」** or **「STEREO」.**
6. Press exit button to TV viewing or press MENU button to return to the previous menu

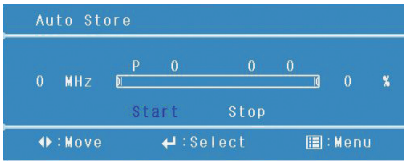
➥ **How To Directly Select S. MODE : Press S. MODE button.**
To select “MONO” or “STEREO”.

- ♦ Choose “STEREO” for channels that are broadcasting in STEREO.
- ♦ Choose “MONO” for channels that are broadcasting in MONO, or if you are having difficultly receiving a STEREO signal.

✓ If the signal reception conditions deteriorate, setting to Mono will make sound conditions better.
✓ If you select Mono L or R you could listen one sound signal by both speakers.

How to Select Auto Store

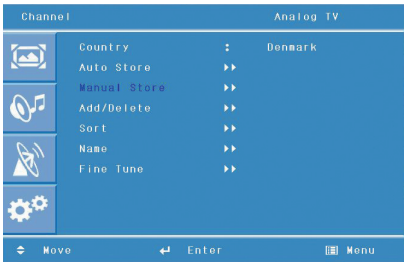
Auto store enables to search/store channels of countries where the user is located automatically.

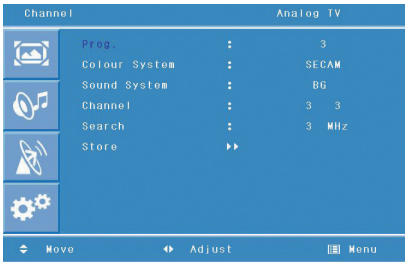


1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ buttons to move to “CHANNEL” icon.
3. Press [OK] button to select “CHANNEL” Icon.
   “COUNTRY” is highlighted.
4. Press ◀/ ▶ or [OK] buttons to select “COUNTRY”
5. Press ▲/ ▼ or [OK] buttons to set “YOUR COUNTRY”.
6. Press ▲/ ▼ buttons to move to “AUTO STORE”.
7. Press ◀/ ▶ or [OK] buttons to select “AUTO STORE”.
   Auto store menu appears, and “START” is highlighted.
8. Press ◀/ ▶ buttons to select “START” or “STOP”, then Press [OK] to store.
9. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

How to Select Manual Store

Manual store enables to searching channels which the user want manually.

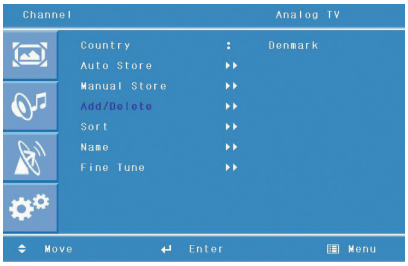


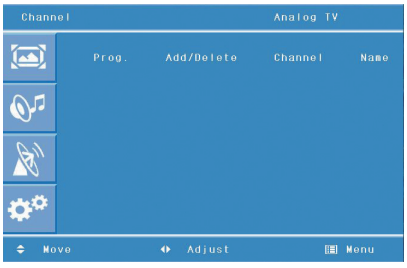


1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲ / ▼ Buttons to move to “CHANNEL” icon.
3. Press [OK] button to select “CHANNEL” Icon.
   “COUNTRY” is highlighted.
4. Press ▲ / ▼ Buttons to move to “MANUAL STORE”.
5. Press ◀ / ▶ or [OK] button to select “MANUAL STORE”.
   Manual program menu appears, then “PROG.” is highlighted.
6. Press ◀ / ▶ buttons to select program No.
7. Select required option by pressing the ▲ / ▼ button, then Press ◀ / ▶ or ▲ / ▼ buttons to set or adjust.
8. To store the setting, press ▲ / ▼ buttons, move to “Store” and press [OK]button to store and finish.

How to Set the Program Edit(Add/Delete, Sort, Name)

Program edit enables users to edit the searched programs.





1 Press MENU button.
Menu items appear on the screen.

2 Press ▲/ ▼ Buttons to move to “CHANNEL” icon.

3 Press [OK] buttons to select “CHANNEL” Icon.
“COUNTRY” is highlighted.

4 Press ▲/ ▼ Buttons to move to “add/delete, sort,name”.

5 Press [OK] button to select “add/delete”.
The program table appears on the screen. One program table contains five programs.

6 Press ▲/ ▼ Buttons to move the program list, and press ◀ / ▶ buttons to move the menu list select “added” or “Erased”

☞ ***Sorting the Stored Channels***

a. Place to [OK] buttons to select and ▲/ ▼ buttons to choose the swapping PR number.

b. To store the setting, press ▲/ ▼ or [OK] buttons.

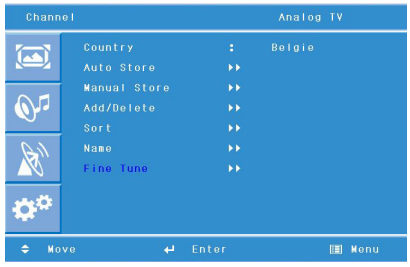
☞ ***Assigning Names to Channel***
press [OK]button to select and ▲/ ▼ Buttons to set to “NAME”

a. Place the cursor on NAME and Select a letter (A~Z), a number (0~9) or blank space.
b. To store the setting, press the [OK] button once again.

7 Press EXIT button to TV viewing or press MENU button to return to the previous menu.

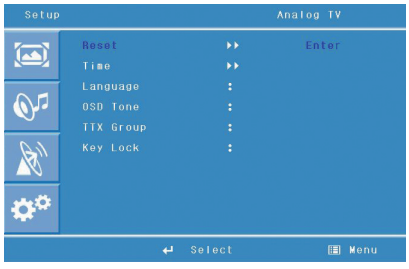
How to fine tune

if the reception is clear, you do not have to fine tune, as this is done automatically during the search and store operation. If the signal is weak or distorted, you may have to fine tune the channel manually.



1. Press Menu button.
   Menu items appear on the screen.
2. Press [OK] button to select "channel"icon
   "country"is highlighted.
3. Press ▲/ ▼ buttons to move to "fine tune".
4. Press ◀/ ▶ [OK[or buttons to select to "fine tune".
5. Press ▲/ ▼ or ◀/ ▶ buttons to adjust "to fine tune".
6. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

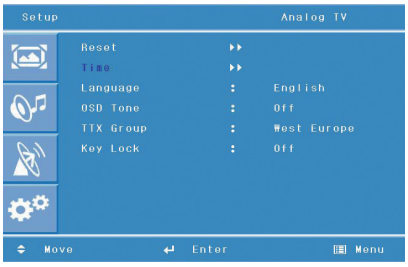
How to Reset

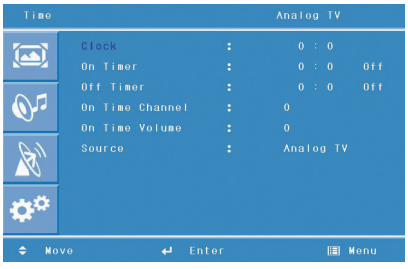


1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] utton to select “Set up” Icon.
   “Reset” is highlighted.
3. Press ◀/ ▶ [OK] or buttons to select to “RESET”.
4. **Press [OK] buttons to choose to 「RESET」.**
5. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

✓ *When you select “Reset” user setting value will initialize except channel value.*

How to Set Clock, Sleep Time, ON/OFF Time





1 Press Menu button.
Menu items appear on the screen.

2 Press [OK] button to select “SET-UP” Icon.
“RESET” is highlighted.

3 Press ▲/ ▼ buttons to move to “TIME”.

4 Press ◀/ ▶ or [OK] buttons to select “TIME”.
Time menu appears, then “CLOCK” is highlighted.

5 Press ◀/ ▶ buttons to move between Hour, Minute and Press ▲/ ▼ buttons to set Hour, Minute.

✓ *When the power supply(AC main power) is cut off, the clock is reset to the value before the Time set.*

Go to step 6 if you need to set the “ON or OFF TIME”.

6 Press ▲/ ▼buttons to move to “ON or OFF TIME”.

7 **Press ◀/ ▶ or [OK] buttons to select** “ON or OFF TIME”.

8 Press ◀/ ▶ buttons to move between Hour, Minute and on/off and Press ▲/ ▼ buttons to set Hour, Minute and on/off

go to step 9 if you need to set the “ON TIME CHAMEL” or “ON TIME VOLUM”

9 Press ▲/ ▼buttons to move to on time channel or Volume.

10 Press ◀/ ▶ buttons to adjust on time channel or Volume.

go to step 11 if you need to set the “SOURCE”

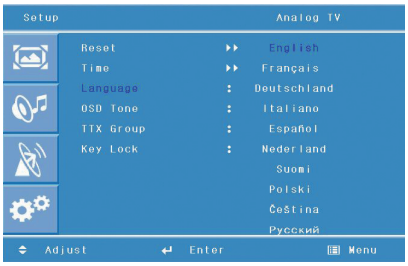
11 Press ▲/ ▼buttons to move to “SOURCE”

12 Press ◀/ ▶ **or [OK]** buttons to select to “SOURCE”

13 Press ◀/ ▶ **or [OK]** buttons to set to “SOURCE”

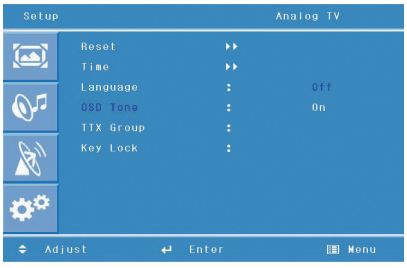
Choosing the Your Languages

Using the TV for the first time, users must select their preferred language preference in order to display main menus and sub menus, etc.



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select “SET UP” Icon.
   “RESET” is highlighted.
3. Press ▲ / ▼ button to move to Language and press ◀ / ▶or ↵button to select to Language .
4. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

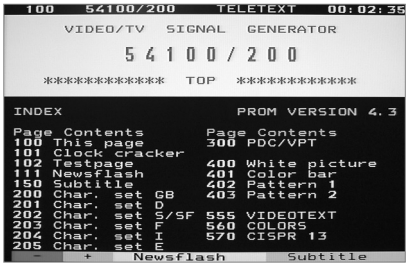
How to set osd tone



1. Press MENU button.
   Menu items appear on the screen.
2. Press [OK] button to select "set up"icon
   “RESET” is highlighted.
3. Press ▲ / ▼ buttons to move to "osd tone"
4. Press ◀ / ▶ or [OK] buttons to select to "osd tone".
5. Press ▲ / ▼ or [OK] buttons to set to "on/off".

How to Set Teletext in ATV

You can use Teletext service in analog TV mode.
If it is included in you receiving channels.



1 Press “TTX/MIX” button and wait.
If the “*” sign pops up left upside of the screen as the following picture, wait until the teletext service menu is displayed “*” means it provides teletext service. So wait a moment.

2 Select your interesting item with numeric keys.

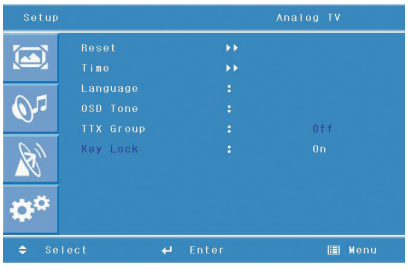
Selecting Teletext Display Options in ATV Mode

When users have displayed a teletext page, they can have various options to suit their requirements.

DISPLAY(ACTION)	BUTTON
• **Hidden Text** (Answers to Quiz Games, for Example) • **The Normal Screen**	**REVEAL** **REVEAL AGAIN**
• **A Second Page** • **Normal screen**	**SUB PAGE** **SUB PAGE AGAIN**
• **Double-Size Letters in the :** - Upper half of the screen - Lower half of the screen • **Normal Screen :**	**SIZE** - ONCE - TWICE - THREE TIMES
Stops the automatic page change which will occur if teletext page consists of 2 or more sub pages. The stop symbol is displayed at the top left-hand corner of the screen.	**HOLD** **HOLD AGAIN**
• **FLOF** → **INDEX** (Full Level One Facility) • **TOP** → **INFO.** (Table of Page)	**INDEX**
• **To Store Page**	**STORE**
• **Return to List or FLOF mode**	**LIST/FLOF**

How to Set Key-Lock

User can lock the control buttons on the front bottom of the TV.



1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ button to move to “SET UP” Icon.
3. Press [OK] button to select “SET UP” Icon.
   “RESET” is highlighted
4. Press ▲/ ▼ buttons to move to “KEY LOCK”.
5. Press ◀/ ▶ or [OK] buttons to select to “KEY LOCK”.
6. **Press ▲/ ▼ or [OK] buttons to set to 「ON/OFF」.**
7. Press EXIT button to TV viewing or press MENU button to return to the previous menu.

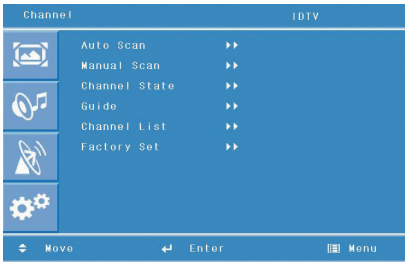
How to Search Automatically

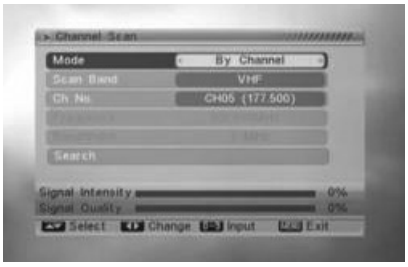
This function can be used to get the latest program data while the receiver is still in use.
Through this function, the receiver searches for all the available program and saves them in the memory.

1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ Buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Firstly please select the country in System Setup Menu / Region and Time / Region
5. In “Scan Mode” item, press ◀/ ▶ key to select scans all channels or just scans free channels
6. Moving the highlight to “Search” item and press [OK]key to start scanning.

How to Search Manually

You can edit parameters of certain channels and scan them.

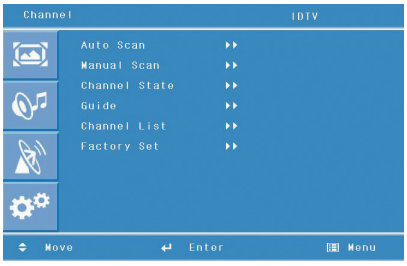


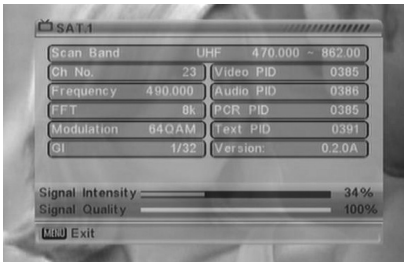


1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ Buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Press ▲/ ▼ Buttons to move to “MANUAL SCAN”.
5. Press [OK] buttons to select “MANUAL SCAN”
   MANUAL Scan menu appears.
6. There are two modes. You can scan channel by channel or by frequency.”
7. When scan band is UHF, the range of Ch No. is from 21 to 61.
   When scan band is VHF, the range of Ch No. is from 1 to 20.
8. When you complete your modification, move highlight to
   “Search” item and press [OK] key, then it will begin to scan.
9. In the “Manual Scan” item, press [Exit] key to exit the
   scanning and save the current parameters.

How to Check Channel State

Users can check parameters of certain channels and scan them.

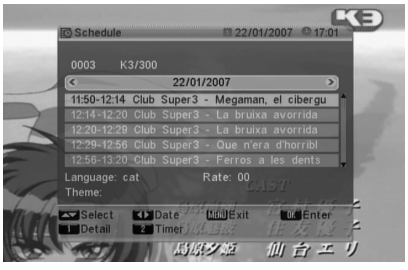


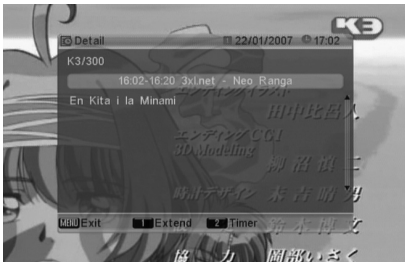


1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ Buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Press ▲/ ▼ Buttons to move to “CHANNEL STATE” icon.
5. Press [OK] buttons to select “CHANNEL STATE”
   Tuner State menu appears.
6. When you enter to “Channel State” menu, you will see a screen like left.
   The screen displays some parameters of information of current channel.
7. Press [Exit] key to draw back from “Channel State” menu

How to Use the Guide (EPG : Electronic Program Guide)

Users can check the channel information on the channels of the transponder they are watching.





1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲ / ▼ Buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Press ▲ / ▼ Buttons to move to “GUIDE”.
5. Press [OK] buttons to select “GUIDE”
   Program Guide menu appears.
6. The EPG supplies information such as channel listings and starting and ending times for all available channels.
7. Press number key [1] can display all programs schedule information of the selected channel.
8. Press number key [2] can display the current channel detail information.

How to Select Channel List

Users can change the current channel to any other channel they want.

1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Press ▲/ ▼ buttons to move to “CHANNEL LIST”.
5. Press [OK] buttons to select “CHANNEL LIST”
6. You can move highlight by press [Up/Down] key to preview the current highlighted program in the right side preview window.

You can press [Page Up/Page Down] key to

7. implement the Page Up/Page down function.
8. You can use [Left/Right] key to switch “Group.”
9. You can press [Menu] or [Exit] keys to enter full screen playing mode.
10. Press the number key [1] ~ [4] can implement the corresponding function in “Channel List”.

* How to Move Channel

1. Press number key [1] , there will show a “moving mark” in the right side of the selected channel.
2. You can move the selected channel to the position that you want to place by press [Up/Down] key.
   And press [OK] key to confirm your decision.

* How to Find Channel

1. Press number key [2] can open the “Find” window like above.
   You can press [Channel Up/Channel Down/Volume Up/Volume Down] key to move highlight and press [OK] key to input the selected symbol or letter into the dialogue.
2. After input each character, the program list on the left will searchthe channel according your input, and list the matched channel.
3. Press [Exit] key can close “Find” window and you can select channelfrom the channels list directly

* How to Sort Channel

1. Press number key [3] can open the “Sort” window likes above.
   There are five kinds of sorting ways. You can press [Up/Down] key to move highlight and press [OK] key to confirm you selection
2. The five kinds of sorting way are:
   Default: Sorting by scanning result.
   Name (A-Z): Sorting in Alphabetical Order, ignore “$” symbol.
   Name (Z-A): Sorting in Alphabetical Order, ignore “$” symbol.
   FTA: Sieved out all free fare channels.
   Lock: Accumulated all locked channels and list in the last of TV Channel List

* How to Edit Channel

1. Press number key [4] will open a message box for you to enter password, and the default password is “0000”.

2. There are five items of “TV Channel List Edits”: Delete, Skip, Lock, Edit, and elete all.

3 . Press [Exit] key to exit “TV Channel List Edit” menu.
The system will show up a message box to inquire you whether saving or not.

1) Delete
In “TV Channel List Edit” menu, press number key [1] can make a delete mark in the right side of the highlighted channel. After save and exit “TV Channel List Edit” menu, the marked channel will be deleted.

2) Skip
In “TV Channel List Edit” menu, press number key [2] can make a “skip mark”in the right side of the highlighted channel. After save and exit “TV Channel List Edit” menu, the channel will be skip while user change channel in the full screen.

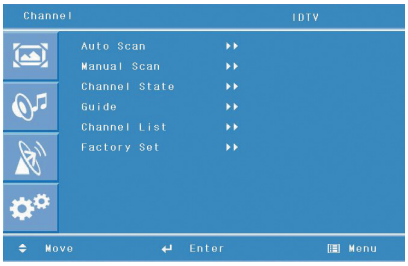
3) Lock
In “TV Channel List Edit” menu, press number key [3] can make a “lock mark” in the right side of highlighted channel. After save and exit “TV Channel List Edit” menu, STB will request you to inpu the password while you want to watch the locked channel.

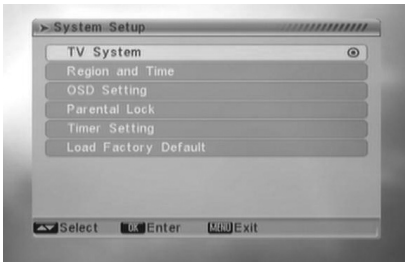
4) Edit
In “TV Channel List Edit” menu, press number key [4] can enter edit box like below:
-. On the “Name” item, press [OK] key can display keypad to edit the name of selected channel.
-. “Video PID”, “Audio PID” and “PCR PID” items are grey and can not be edited.
-. After modification, move highlight to “Save” item and press [OK] key can save the modified value and exit “Edit” mode. Otherwise, move highlight to [Exit] item and press [OK] key can exit “Edit” mode and won’t save any modification.

5) Delete all
-. In “TV Channel List Edit” menu, press number key [5] can mark all the channel with delete mark
-. Press number key [5] again can cancel all the delete mark.

How to Factory Set

The status of the Digital-TV will return to factory default parameters by using this function.





1. Press MENU button.
   Menu items appear on the screen.
2. Press ▲/ ▼ Buttons to move to “DTV CHANNEL” icon.
3. Press [OK] button to select “DTV CHANNEL” Icon.
   “AUTO SCAN” is highlighted.
4. Press ▲/ ▼ Buttons to move to “FACTORY SET”.
5. Press [OK] buttons to select “FACTORY SET”
   “Factory Set” is highlighted.
6. Press [Up/Down] key to select menu items among each item.
7. Press [OK] key to enter the selected item.

Setting TV System

1. You can press [Left/Right] key to select on or off.
2. LCN Mode can control the channel whether sort by the sequence information in the streams. The options are: On / Off.
   You can press [Left/Right] key to select each mode circularly.
3. It is support Dolby Digital Sound the options are : on/off.
   You can press [Left/Right] key to select on/off.
4. Press [Exit] key to draw back from “TV System” menu

Setting Region and Time

When you ~~enter to "Region &~~ Time" menu, you will see "Region" and "Time Setting" items like below:

1 Region:
Region is used for selecting the country which you are in.
You can press [Left/Right] key to select each mode circularly.
Press [Menu] key to exit menu.

2 Time Setting:
- When you select "Time Setting" and press [OK] key to enter the menu, you will see the screen like below:
- GMT Usage: This item is use for open the usage of GMT.
You can press [Left/Right] keys to switch "Off / User Define / By Region"

The "GMT Offset" item is valid only when the setting of "GMT Usage" is "User Define".

Region : Region is used for selecting the country which you are in.
You can press [Left/Right] key to select each mode circularly. Press [Menu] key to exit menu.

Time Setting : When you select "Time Setting" and press [OK] key to enter the menu, you will see the screen like below:
- GMT Usage: This item is use for open the usage of GMT. You can press [Left/Right] keys to switch "Off / User Define / By Region" The "GMT Offset" item is valid only when the setting of "GMT Usage" is "User Define".

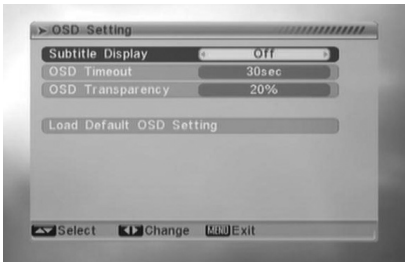
You can press [Left/Right] keys to switch "GMT
- Offset" value and the range is "-12:00 ~ +12:00", increase each half hour progressively.
- "Date" and "Time" items are valid only when the setting of "GMT Usage" is "Off".

You can press [Left/Right] keys to moving highlight and use number keys to input directly.
- "Summer Time" items are valid only when the setting of "GMT Usage" is "By Region."

You can press [Left/Right] keys to switch.
- Time display function can control whether the time will be displayed on screen or not.
- Press [Exit] key to draw back from "Time" menu.

OSD Setting

When you input to "OSD Setting" menu, you will see a screen like below:



1 Menu Style: offers five kinds different color style; you can press [Left/Right] key to select your favorite.

2 Subtitle Display: You can press [Left/Right] key to select "On" or "Off". If the current channel has subtitle information,

it will be showed up while this function is "On". If this function is "Off", there won't show up subtitle information even if the current channel has subtitle information.

3 OSD Timeout: When you switch channels in full screen, there will show up some information about current channel on the lower of the screen.
And regarding to the duration of these information show up on the screen,
you can press [Left/Right] key to set the time. The range of the duration is "5 second ~ 30 seconds."

4 OSD Transparency: Besides the setting of "OSD Menu Style", you also can set the transparency of OSD. You can press [Left/Right] key to select the values.

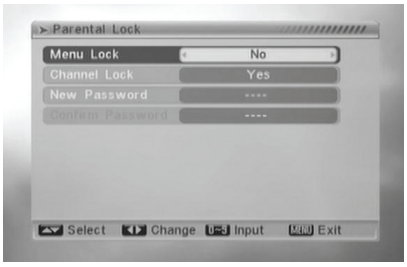
There are 5 levels of transparency, 10%, 20%, 30%, and 40% and "NO" (means no transparency function).

5 Load OSD Setting Default: If you are not satisfy with your setting,
you can move highlight to this item and press [OK] key to reset parameters as default value.

6 Press [Exit] key to draw back from the "OSD Setting" menu.

Setting Parental Lock

In "Parental Lock" function, press [OK] key, there will pop a dialogue for you to input the password. The default password is "0000". When you input the correct password, you will see a screen like below:



1. Menu Lock determining that when user wish to enter "Installation" menu, whether have to input Password or not. If the setting of "Menu Lock" is "Yes" which means user have to key in password, set "No" means unlock.
2. Channel Lock determining that when user wishes to play the lock channels, whether have to input the password or not. If the setting is "Yes", play the channels with lock mark will show up a dialogue on the screen and ask for the password.
   - If the setting of "Channel Lock" is "No," the Lock function will invalid.
   - New Password is used for revising password; you can input the new password in this item by using number keys directly. After you filled in 4 digital numbers, the highlight will auto skip to Confirm Password and ask you to input the new password again.
     If the password is correct, the screen will show up a message of "Change password successfully."
     After finish saving and draw back to "System Setup" menu, the revising is complete.
   - Press [Exit] key to draw back from the "Parental Lock" menu.

Setting Load Factory Default

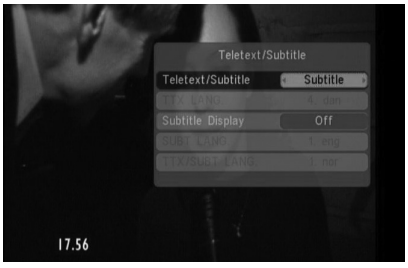
When you press [OK] key in the "Load Factory Default" item:

1. There will pop a dialogue for you to enter the password, and the default password is "0000".
2. After you input the correct password, there will show a warning message to inquiry you "The operation will load default and erase all the channels that user added, continue?".
3. If you select "Yes" option, the all revised parameters of the receiver will reset to default value.
   Please carefully to using this function.
4. In step 1 and step 2, press [Exit] key can draw back from this item and without saving

How to Set Teletext in DTV

1. Press [TTX/MIX] to show teletext information.
2. Select “on” OSD , and select language on the OSD.
3. Press [TTX/MIX] key to control about the background of the teletext like below the picture

How to Set Subtitle



1. Press [S.MODE] to show the subtitle information.
2. Change the Subtitle Display, and select SUBT LANG.
3. Subtitle will be displayed on the screen like below the picture.

Troubleshooting

Symptom	Possible solution
How can I install an antenna?	Refer to page 11.
TV screen is not clear after installing an indoors antenna.	Indoors antenna may experience poor reception due to surrounding buildings. Please install an outdoors antenna or wireless antenna.
How can I view cable broadcasting?	Please install a cable broadcasting receiver (Converter).

Symptom	Possible solution
Neither picture nor sound comes up.	Check whether power is on. Check whether the power is cut or whether the power cord is properly connected. Try to plug another product's power cord to the same outlet to check the outlet itself.
Picture turns on slowly after power is on.	This symptom is not a malfunction. This delay is designed to prevent the distorted and noisy picture when the power is on. However, if the picture does not appear more than 5 minutes after the power is on, call a service center.
Picture is distorted or frozen while watching digital broadcasting.	This symptom may be caused by weak reception. Contact your local station or cable company.
Input Source information only appears on black screen.	Check whether your TV is properly connected to external devices.
Poor reception on some channels.	Check whether you selected proper channels. Try re-orienting your antenna. Ensure LNA is activated.
Black and white on some channels.	Check other channels for black and white screen. Adjust colour.
TV won't turn on.	Ensure the power cord is plugged.
Screen is too bright or too dark.	Adjust brightness.
Auto On does not work.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.

After setting the time, I turned TV off and turn it on. The programmed information has been erased.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.

Symptom	Possible solution
Too much noise occurs.	Check whether the audio setting is in the Stereo mode. In the Stereo mode, the sound may be distorted in areas with poor reception or located far away from a TV broadcasting station.
No sound while viewing a cable channel	Make sure audio or audio/video components are securely inserted into the appropriate jacks. Check other channels for sound. Check the volume settings on the cable broadcasting receiver.
Picture is OK but sound does not come out.	Try to press volume up/volume down buttons of your remote control.
One of the speakers does not produce sound.	Select sound balance and make proper adjustment. (Page 20) Check the speaker connection cables.

Symptom	Possible solution
Remote control won't work.	Check whether there is a blocking object between the remote control and TV. Make sure your TV is Power On. (Normally, the LED on the front panel is red.) Check whether batteries are inserted with proper polarities(+, -). When the batteries are worn out, replace them.
Where does the S-Video cable plug in for audio output?	Connect the two Audio jacks from the S-Video cable to the left and right ports on the Composite.
Strange noises are heard.	Ticking noises during or after watching are caused by the change of ambient environment such as humidity and temperature, which is characterized by plastic products. Strange ticking noises occur because a signal is suddenly transmitted to the PDP panel. So, It is not a malfunction.
I tried to use the TV screen as a PC monitor but it doesn't work.	Adjust the resolution referring to the standard signal mode table. Check the specification of your video card installed in your PC. If your video card does not work in the supported hardware, try upgrading the video card's driver.

Product Specifications

Model		M220W	W220T	W240T
Input	Full-Scart	1 (A/V)	1 (A/V)	1 (A/V)
	Antenna	1	1	1
	PC Connection jack	D-SUB	D-SUB	D-SUB
	Max. resolution	1680 X 1050 @ 60 Hz	1680 X 1050 @ 60 Hz	1920 X1200 @ 60 Hz
	Recommemded Resolution	1680 X 1050 @ 60 Hz	1680 X 1050 @ 60 Hz	1920 X1200 @ 60 Hz
	Audio	3W x2ch	3W x2ch	3Wx2ch
	DVI-HDCP / HDMI	1	1	1
TV/Video	Color system	PAL/SECAM L	PAL/SECAM L	PAL/SECAM L
	Sound system	FM, NICAM	FM, NICAM	FM, NICAM
	Video system	38 SCART, PC, HDMI	38 SCART, PC, HDMI	SCART, PC, HDMI
Power	Supply	100-240v AC	100-240v AC	100-240V AC
	Consumption power	Typical 50W	Typical 50W	Typical 90W
	Stand-by power	Typical 1.3W	Typical 1.3W	Typical 1.5W
Dimension (W x D x H mm - Stand included)		529.3 X 456.2 X 205.5	Tilt Stand : 522 X 412 X 210 Lift Stand : 522 X 415 X 240	579 X 4555 X 240
Weigh (Stand included)		6.3 Kg	Tilt Stand : 7.0 Kg Lift Stand : 8.5 Kg	9.9 Kg
Control type		Remote control, Key control	Remote control, Key control	Remote control, Key control

- The above specifications may be subject to change without prior notice.